

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	100129	speaker and display	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/02 14:12
S2	26874	speaker and display and touch	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/02 14:12
S3	3481	speaker with display with touch	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/02 14:13
S4	1918	@ad<"20020502" and speaker with display with touch	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/02 14:15
S6	1033	@ad<"20020502" and speaker with display with touch and recognize	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/02 14:15
S8	1861	@ad<"20020502" and touch adj2 display and speaker	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/02 14:16
S9	153	@ad<"20020502" and (touch adj2 display) with speaker	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/02 14:20
S10	72	@ad<"20020502" and (touch adj2 display) with speaker and integrated	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/02 14:20

## EAST Search History

S11	59	@ad<"20020502" and (touch adj2 display) with sound	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/02 14:21
S13	2275	@ad<"20020502" and ((touch adj2 (display or screen)) with (speaker or sound))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/02 14:22
S14	608	@ad<"20020502" and ((touch adj2 (display or screen)) with (speaker or sound)) and recognition	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/02 14:23
S15	299	@ad<"20020502" and ((touch adj2 (display or screen)) with (speaker or sound)) and recognition and integration	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/02 14:23
S17	2009	@ad<"20020502" and ((touch adj2 (display or screen)) with (speaker))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/02 14:24
S18	62	@ad<"20020502" and ((touch adj2 (display or screen)) adj2 (speaker))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/02 14:28
S19	239	(381/388).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/05/02 14:47
S20	9355	vibrating with (screen or display)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/02 14:47
S21	384	vibrating with (screen or display) and transducer	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/02 14:49

## EAST Search History

S23	994	touch adj2 (screen or display) with transducer	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/02 14:53
S26	512	@ad<"20020502" and touch adj2 (screen or display) adj2 (transducer or speaker)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/02 14:54
S27	357	@ad<"20020502" and touch adj2 (screen or display) adj2 (transducer or speaker) and location	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/02 14:54
S28	158	@ad<"20020502" and touch adj2 (screen or display) adj2 (transducer or speaker) and location and identification	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/02 14:54
S31	8	@ad<"20020502" and touch adj2 (screen or display) adj2 (transducer or speaker) and location with identification	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/02 14:55
S35	1474	@ad<"20020502" and touch adj (screen or display) and calibration	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/02 14:56
S36	1270	@ad<"20020502" and touch adj (screen or display) and calibration and location	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/02 14:56
S38	610	@ad<"20020502" and touch adj (screen or display) and calibration and location and identification and position	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/02 14:58

## EAST Search History

S39	1	@ad<"20020502" and touch adj (screen or display) and calibration and location and identification and position and tranducer	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/02 14:59
S40	45	@ad<"20020502" and touch adj (screen or display) and calibration and location and identification and position and loudspeaker	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/02 15:00
S41	3651	@ad<"20020502" and touch adj (screen or display) and position and (speaker or loudspeaker)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/02 15:00
S42	3651	@ad<"20020502" and (touch adj (screen or display)) and position and (speaker or loudspeaker)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/02 15:01
S43	3366	@ad<"20020502" and (touch adj (screen or display)) and position and (speaker or loudspeaker) and forms	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/02 15:01
S44	1506	@ad<"20020502" and (touch adj (screen or display)) and position and (speaker or loudspeaker) and recognition	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/02 15:01
S45	688	@ad<"20020502" and (touch adj (screen or display)) and position and (speaker or loudspeaker) and recognition and sensor	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/02 15:07
S46	411	(381/152).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/05/02 16:47
S47	715	(381/386).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/05/02 15:41

## EAST Search History

S48	416	display adj loudspeaker	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/02 15:47
S49	3	display adj loudspeaker and tactile	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/02 15:48
S50	1719	display with (loudspeaker or speaker) and tactile	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/02 15:48
S51	423	display adj2(loudspeaker or speaker) and tactile	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/02 15:48
S52	165	display adj(loudspeaker or speaker) and tactile	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/02 15:53
S53	71	"saw" adj touch	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/02 15:56
S54	71	("saw" or "surface acoustic wave") adj touch	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/02 15:57
S55	180278	("saw" or "surface acoustic wave")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/02 15:57

## EAST Search History

S56	7	("surface acoustice wave")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/02 15:57
S57	0	("surface acoustice wave") and (speaker or loudspeaker)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/02 15:58
S58	0	(("surface acoustice wave") adj touch) and (speaker or loudspeaker)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/02 15:58
S59	18	(("saw" or "surface acoustice wave") adj touch) and (speaker or loudspeaker)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/02 16:02
S60	2800	("saw" or "surface acoustice wave") and (speaker or loudspeaker)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/02 16:28
S61	287	("saw" or "surface acoustice wave") and (speaker or loudspeaker) and touch with display	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/02 16:28
S62	350	("saw" or "surface acoustice wave") and (speaker or loudspeaker) and touch with (display or screen or lcd)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/02 16:28
S63	309	("saw" or "surface acoustice wave") and (speaker or loudspeaker) and touch adj2 (display or screen or lcd)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/02 16:28

## EAST Search History

S64	260	("saw" or "surface acoustice wave") and (speaker or loudspeaker) and touch adj (display or screen or lcd)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/02 16:29
S65	260	("saw" or "surface acoustice wave") and (speaker or loudspeaker) and touch adj (display or screen)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/02 16:29
S66	1	("saw" or "surface acoustice wave") with (speaker or loudspeaker) and (touch or tactile) with (display or screen)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/02 16:30
S67	376	("saw" or "surface acoustice wave") and (speaker or loudspeaker) and (touch or tactile) with (display or screen)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/02 16:31
S68	140	("saw" or "surface acoustice wave") and (speaker or loudspeaker) with (touch or tactile) with (display or screen)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/02 16:36
S69	142	("saw" or "surface acoustice wave" or "pressure sensitive device") and (speaker or loudspeaker) with (touch or tactile) with (display or screen)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/02 16:37
S70	140	("saw" or "surface acoustice wave") and (speaker or loudspeaker) with (touch or tactile or "pressure sensitive") with (display or screen)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/02 16:38
S71	8	("saw" or "surface acoustice wave") with (speaker or loudspeaker) with (display or screen)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/02 16:39

## EAST Search History

S72	3107	("saw" or "surface acoustice wave") with (display or screen)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/02 16:40
S73	8	("saw" or "surface acoustice wave") and "display loudspeaker"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/02 16:41
S74	116	("saw" or "surface acoustice wave") and display with loudspeaker	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/02 16:41
S76	0	"385/152".ccls. and "surface acoustic wave"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/02 16:48
S77	0	"385/152".ccls. and surface and acoustic and wave	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/02 16:48
S78	0	"385/152".ccls. and pressure	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/02 16:48
S79	0	"385/152".ccls. and touch	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/02 16:49
S80	7759	pressure and sensitive and speaker	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/02 16:49

## EAST Search History

S81	5309	pressure and sensitive and speaker and display	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/02 16:49
S82	1675	pressure adj sensitive and speaker and display	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/02 16:49
S83	15	pressure adj sensitive with speaker with display	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/02 16:52
S84	22739	Lcd and speaker	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/02 16:52
S85	1	Lcd with speaker with saw	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/02 16:53
S86	422	saw and Lcd and touch and screen and display	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/02 16:53
S87	170	saw and Lcd and touch and screen and display and speaker	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/02 16:54
S88	103	saw and Lcd and touch and screen and display and speaker and sensor	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/02 16:54

## EAST Search History

S89	39	@ad<"20020502" and saw and lcd and touch and screen and display and speaker and sensor	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/02 16:54
S90	2	(("6911901") or ("6633280")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/05/03 10:17
S91	1	"6342831".PN.	USPAT; USOCR	OR	ON	2006/05/03 08:02
S92	1	"6332029".PN.	USPAT; USOCR	OR	ON	2006/05/03 08:08
S93	1	"6118435".PN.	USPAT; USOCR	OR	ON	2006/05/03 08:11
S94	1	"6002392".PN.	USPAT; USOCR	OR	ON	2006/05/03 08:13
S95	1	"5977867".PN.	USPAT; USOCR	OR	ON	2006/05/03 08:13
S96	1	"5977867".PN.	USPAT; USOCR	OR	ON	2006/05/03 08:14
S97	1	"5856820".PN.	USPAT; USOCR	OR	ON	2006/05/03 08:14
S98	1	"5628031".PN.	USPAT; USOCR	OR	ON	2006/05/03 08:17
S99	1	"5561278".PN.	USPAT; USOCR	OR	ON	2006/05/03 08:17
S100	1	"5412189".PN.	USPAT; USOCR	OR	ON	2006/05/03 08:17
S101	1	"5329070".PN.	USPAT; USOCR	OR	ON	2006/05/03 08:17
S102	1	"5561278".PN.	USPAT; USOCR	OR	ON	2006/05/03 10:12
S103	1	"5561278".PN.	USPAT; USOCR	OR	ON	2006/05/03 10:12
S104	1	"5412189".PN.	USPAT; USOCR	OR	ON	2006/05/03 10:13
S105	1	"5329070".PN.	USPAT; USOCR	OR	ON	2006/05/03 10:13
S106	1	"4554419".PN.	USPAT; USOCR	OR	ON	2006/05/03 10:13

## EAST Search History

S10 8	2	hyper adj functional adj surface	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/03 12:28
S10 9	41	(hyper or multi) adj functional adj surface	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/03 12:28
S11 0	3	(hyper or multi) adj functional adj surface and speaker	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/03 12:29
S11 1	244	"azima".in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/03 16:47
S11 6	162	surface adj acoustic adj wave and loudspeaker	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/04 10:51
S11 7	3650	touch and loudspeaker	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/04 09:17
S11 8	1230	touch with display and loudspeaker	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/04 09:18
S11 9	349	touch with display with sensitive and loudspeaker	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/04 09:18

## EAST Search History

S12 8	3	"sullivan, martin".in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/09 12:55
S13 0	14	"sullivan, darius".in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/04 09:54
S13 4	8	(("5691959") or ("5986224") or ("5591945") or ("4393268")).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/04 10:04
S13 9	6	(("5856820") or ("20010006006") or ("0148684")).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/04 10:08
S14 3	19	surface adj acoustic adj wave and loudspeaker and partition\$	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/04 10:50
S14 4	1208	touch and wave and loudspeaker	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/04 10:50
S14 5	512	surface adj acoustic adj wave and speaker	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/04 10:51
S14 6	343	surface adj acoustic adj wave and speaker and display	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/04 10:58

## EAST Search History

S14 7	295	surface and acoustic and wave and speaker and display and bending	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/04 10:59
S14 8	103	surface and acoustic and wave and speaker and display and bending and sonic	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/04 10:59
S14 9	75	surface and acoustic and wave and speaker and display and bending and sonic and touch	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/04 11:05
S15 0	2	"20010006006"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/04 12:21
S15 1	326	bending adj2 wave and loudspeaker	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/04 12:22
S15 2	74	bending adj2 wave and loudspeaker and display	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/04 12:56
S15 3	116	Distributed adj Mode adj Loudspeaker	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/04 12:57
S15 4	44	Distributed adj Mode adj Loudspeaker and display	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/04 13:02

## EAST Search History

S15 5	107	"NEW TRANSDUCERS LIMITED".as.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/04 13:02
S15 7	6	partitioning with audio with signal with measured with distinct with frequency with bands	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/04 13:35
S16 1	1	60/171603 60/242618	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/04 13:40